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37 C.F.R. § 1.8

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Kathy Danas  
Signature

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
SARVARPATEL  
ZULFIKAR AMIN RAMZAN

Serial No.: 09/175,178

Filed: 10/20/1998

For: EFFICIENT HASHING METHOD

Group Art Unit: 2132

Examiner: Douglas J. Meislahn

Atty. Dkt. No.: 2100.001100/PATEL 13-1

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

RECEIVED

MAY 20 2004

Technology Center 2100

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed foreign patent documents and journal articles required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner. Because the filing date of the present application is after June 30, 2003, copies of the listed U.S. patents are not included.

In accordance with 37 C.F.R §§ 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed within three months of the filing date of this patent application or prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement; however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Director is hereby authorized to deduct said fees from Williams, Morgan & Amerson, P.C., Deposit Account No. 50-0786/2100.001100.

In accordance with 37 C.F.R § 1.97(e)(1), Applicants hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the present statement, as evidenced by the date of the enclosed search report.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



TERRY D. MORGAN

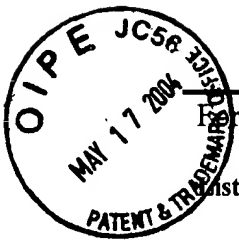
Reg. No. 31,181

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Date: May 14, 2004



Form PTO-1449 (modified)

Atty. Docket No.  
2100.001100Serial No.  
09/175,178

List of Patents and Publications for Applicant's

Applicant  
SARVAR PATEL & ZULFIKAR AMIN RAMZAN

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:  
October 20, 1998Group:  
2132U.S. Patent Documents  
*See Page 1*Foreign Patent Documents  
*See Page 1*Other Art  
*See Page 1*

## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1						

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	EPO International Search Report, EP 99 30 8032, dated March 29, 2004
	C2	Etzel et al., "Square Hash: Fast Message Authentication Via Optimized Universal Hash Function," XP-002271715, dated
	C3	S. Halevi and H. Krawczyk, "MMH: Message Authentication I the Gbit/second Rates," XP-002271714 in Proceedings of the 4 <sup>th</sup> Workshop on Fast Software Encryption, Lecture Notes in Computer Science, Springer-Verlag, March, 1997.
	C4	Jueneman et al., "Message Authentication," IEEE Communications Magazine, September 1985 – Vol. 23, No. 9, pp. 29-40.
	C5	Preneel et al., "Cryptographic Hash Functions," European Transactions on Telecommunications and Related Technologies, XP 000460559, July, 1994
	C6	Girault, Marc, "Hash-Functions Using Modulo-n Operations," Advances in Cryptology, Eurocrypt '87, LNCS. 304, pp. 217-226, 1988.
	C7	Knuth, D.E.: "The Art of Computer Programming," Vol. 2: Seminumerical Algorithms" 1980, Addison Wesley, Reading, Massachusetts, USA XP 002271716, 2 <sup>nd</sup> Edition, pp. 10-11 & 26-27
	C8	
	C9	

EXAMINER:

DATE CONSIDERED:

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